

Product datasheet for **SR510443**

Gpx6 Rat siRNA Oligo Duplex (Locus ID 259233)

Product data:

Product Type:	siRNA Oligo Duplexes
Purity:	HPLC purified
Quality Control:	Tested by ESI-MS
Sequences:	Available with shipment
Stability:	One year from date of shipment when stored at -20°C.
# of transfections:	Approximately 330 transfections/2nmol in 24-well plate under optimized conditions (final conc. 10 nM).
Note:	Single siRNA duplex (10nmol) can be ordered.
RefSeq:	NM_147165
UniProt ID:	Q64625
Synonyms:	OBPII; Ry2d1
Components:	Gpx6 (Rat) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 259233) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	This gene encodes a member of the glutathione peroxidase family. Glutathione peroxidases catalyze the reduction of a variety of hydroperoxides using glutathione as a specific electron donor substrate, and thereby protect cells against oxidative damage. Expression of this gene is restricted to embryos and adult olfactory epithelium. The mouse and rat orthologs contain a cysteine (Cys) residue at the active site, unlike the human counterpart, which is a selenoprotein, containing selenocysteine (Sec) instead. [provided by RefSeq, Jul 2017]



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**Performance
Guaranteed:**

OriGene guarantees that at least two of the three Dicer-Substrate duplexes in the kit will provide at least 70% or more knockdown of the target mRNA when used at 10 nM concentration by quantitative RT-PCR when the TYE-563 fluorescent transfection control duplex (cat# SR30002) indicates that >90% of the cells have been transfected and the HPRT positive control (cat# SR30003) provides 90% knockdown efficiency.

For non-conforming siRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the siRNA kit. To arrange for a free replacement with newly designed duplexes, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled siRNA control (quantitative RT-PCR data required).